Tim Schoof

907 Elmwood Avenue, Apt D3, Evanston, IL 60202, United States
+1-224-409-2998 ▪ tim.schoof@northwestern.edu

Education

PhD in Speech Hearing and Phonetic Sciences 2014
University College London

MRes in Speech, Language, and Cognition 2011
University College London

MA in Linguistics 2010
Utrecht University

BA in English Language and Literature 2007
University of Groningen

Research experience

Postdoctoral Fellow 2015-present
Northwestern University, Department of Communication Sciences and Disorders

Postdoctoral Fellow 2014-2015
University College London, Department of Speech Hearing and Phonetic Sciences

Research Assistant
Utrecht Institute of Linguistics / OTS 2009

Publications

Schoof, T., and Rosen, S. (2016). The role of age-related declines in subcortical auditory processing in speech perception in noise. *Journal of the Association for Research in Otolaryngology*, 1-20.

Schoof, T., and Rosen, S. (2015). High sentence predictability increases the fluctuating masker benefit. *Journal of the Acoustical Society of America*, 138, EL181.

Schoof, T., and Rosen, S. (2014). The role of auditory and cognitive factors in understanding speech in noise by normal-hearing older adults. *Frontiers in Aging Neuroscience*, 6:307.

Schoof, T., Green, T., Faulkner, A., and Rosen, S. (2013). Advantages from bilateral hearing in speech perception in noise with simulated cochlear implants and residual acoustic hearing. *Journal of the Acoustical Society of America*, 133(2), 1017 – 1030.

Selected presentations (7 of 16)

Souza, P., Shen, J., and **Schoof, T.** (2015). Does noise reduction reduce listening effort for older hearing-aid users? (talk). Aging and Speech Communication Conference, Bloomington, IN, USA.

Schoof, T., and Rosen, S. (2015). Neural origins of the Frequency Following Response to resolved and unresolved modulated tones (poster). Advances and Perspectives in Auditory Neuroscience, Chicago, IL, USA.

Schoof, T., Rosen, S., and de Cheveigné, A (2015). Rapid FFR: A new technique to rapidly collect the Frequency Following Response (poster). ARO MidWinter Meeting 2015, Baltimore, USA.

Schoof, T., and Rosen, S (2015). The role of age-related declines in subcortical auditory processing in speech perception in noise (invited talk). Seminar series of the Department of Bioengineering, Imperial College London, UK.

Schoof, T. (2014). Speech ABRs in an ageing population (invited talk). APD Masterclass, Auditory processing disorders: Current science and clinical practice, University College London, London, UK.

Schoof, T., and Rosen, S (2013). The role of age-related declines in auditory and cognitive processing in understanding speech in noise (poster). Aging and Speech Communication Conference, Bloomington, IN, USA.

Schoof, T., and Rosen, S (2013). The relative contribution of declines in auditory and cognitive processing to speech perception difficulties in noise in older adults (talk). British Society of Audiology Annual Conference, Keele, UK.

Grants and awards

Schoof, T. *Isolating the informational component of speech-on-speech masking*. Knowles Postdoctoral Fellow Travel Award, Northwestern University (2016), $1000.

Schoof, T., and Boothalingam, S. *Talk Global: Communication across borders.* Professional Development Grant, Northwestern University (2016), $1000

Boothalingam, S., and **Schoof, T.** *Talk Global: Communication across borders.* Catalyst Grant, Northwestern University (2016), $500

Schoof, T., Calcus, A., and Shinn-Cunningham, B. *Workshop on the Frequency Following Response*, Intelligent Hearing Systems (2016), $2000

Calcus, A., **Schoof, T.**, and Shinn-Cunningham, B. *Frequency Following Response Workshop*, COMIC Award, Compnet, Boston University (2016), $7400

Schoof, T., and Souza, P. ASHA Research mentoring-pair travel award. ASHA Convention (2015), $1000.

Schoof, T., and Rosen, S. *Rapid FFR: developing a clinical tool for the rapid assessment of subcortical processing of complex sounds*. Pauline Ashley Small Project Grant, Action on Hearing Loss (2014), £28916

Schoof, T. *The role of age-related auditory and cognitive declines in understanding speech in noise.* ARO Travel Award: Graduate Student/Postdoctoral Fellow, ARO (2014). $500

Calcus, A., Colin, C., **Schoof, T.**, and Rosen, S. *Workshop on the Frequency Following Response*. Organisation d'une reunion scientifique, Le Fonds de la Recherche Scientifique (2014), €3000

Schoof, T., Calcus, A., and Rosen, S. *Workshop on the Frequency Following Response*, Support for short meetings and conferences, Guarantors of Brain (2014), £1500

Calcus, A., **Schoof, T.**, and Rosen, S. *Workshop on the Frequency Following Response*, Brain Products & Brain Vision UK (2014), £3000

Schoof, T. *The relative contribution of declines in auditory and cognitive processing to speech perception difficulties in noise in older adults.* Student Scholarship. Aging and Speech Communication Conference (2013). $1000

Schoof, T. *The role of subcortical encoding in accounting for speech perception in steady-state and amplitude-modulated noise.* ARO Travel Award: Graduate Student/Postdoctoral Fellow, ARO (2013). $500

Schoof, T. *The role of subcortical encoding in accounting for speech perception in steady-state and amplitude-modulated noise.* Defeating deafness ARO travel fellowship, Deafness Research UK (2013). £500

Schoof, T., and Rosen, S. *Developing expertise in the measuring and interpretation of auditory brainstem responses to speech*. Flexi grant (travel grant), Action on Hearing Loss (2011). £1608

Teaching experience

Instructor
Northwestern University

Statistical analysis in R workshop (introductory session)	2016

Teaching assistant
University College London

Introduction to Event-Related Potential Technique	2015
Chandler House ERP technique bootcamp	2014
Research Design and Experimental Methods	2014
Acoustics, signals & systems for audiology	2013-2014
MSc Research Design & Statistics	2011-2013
Research Methods & Statistics II	2012
Speech Sciences: Phonetics, Acoustics and Speech Perception	2011-2012

Student mentorship
Northwestern University

Rachel Appleton (AuD, 2016), *Increasing the number of hearing aid channels for noise reduction: The effects on listening effort.*

University College London

Dominic Pittman (MSc Speech and Language Sciences, 2014), *Using the frequency following response to investigate the basilar membrane's response to sound.*

Hollyana Marler (BSc Speech Sciences, 2014), *Do the effects of auditory attention extend down to the brainstem?*

Yang Wang (MRes Speech Language and Cognition, 2013), *The effects of attention on the frequency following response.*

Jingwei Zhang (MSc Language Sciences, 2013), *A frequency following response (FFR) investigation of auditory efferent inhibition in the brain stem: A case of fundamental frequency rise and fall in mandarin tones.*

Professional service

Conference organization

Frequency Following Response Workshop, Boston, MA, USA 2016
Frequency Following Response Workshop, London, UK 2014

Committee member

Northwestern University Postdoctoral Forum, International Committee 2015-present

Public engagement

Royal Institution, London, UK 2015
"Good listeners and smooth talkers: Spoken communication in a challenging world", EEG demonstration

Royal Society Summer Exhibition, London, UK 2011
"Speaking and Listening in a Noisy World", EEG demonstration

Ad-hoc reviewer

The Journal of the Acoustical Society of America, Frontiers in Aging Neuroscience, Ear and Hearing, PLOS ONE, International Journal of Audiology, American Journal of Audiology, Heliyon